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EIC 3600

STIC Database Tracking Information: 1077463

To: Tom Beach
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Wednesday, May 24, 2006

Case Serial Number: 09/659382

From: Etelka R. Griffin
Location: EIC 3600
KNOX/4B68
Phone: 571-272-4230

Etelka.griffin@uspto.gov

Search Notes:

LITIGATION-5802748

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LEXIS/NEXIS
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Terms: [patno=5802748](#) ([Edit Search](#) | [Suggest Terms for My Search](#))

679851 (08) 5802748 September 8, 1998

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

5802748

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September 8, 1998

Tiered trenching backhoe system

REISSUE: September 8, 2000 - Reissue Application filed Ex. Gp.: 3625; Re. S.N. 09/659,382 (O.G. October 15, 2002)

APPL-NO: 679851 (08)

FILED-DATE: July 15, 1996

GRANTED-DATE: September 8, 1998

CORE TERMS: syncline, fluke, triangular, coupler, welded, removably, prior art, trihedral, interior, projecting ...

ENGLISH-ABST:

A new Tiered Trenching Backhoe System for creating a dual tiered trench which allows one service utility to be elevated above another service utility thereby preventing contact of the two service utilities resulting in increased safety. The inventive device includes a syncline plate with an interior angle of approximately 140 degrees, a first and second triangular coupler welded at one end to the syncline plate removably coupling to a pair of existing tooth shanks of a backhoe bucket, a first and second fluke welded to the syncline plate opposite of the triangular couplers, a first and second trihedral support members welded to the interior portion of syncline plate providing support, and a pair of replaceable teeth removably secured to the first and second flukes.

Source: [Legal > Area of Law - By Topic > Patent Law > Patents > U.S. Patents > Utility, Design and Plant](#)

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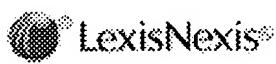
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Query/Command : PRT SS 1 MAX 1 LEGALALL

1 / 1 PLUSPAT - QUESTEL-ORBIT - image

Patent Number :

US5802748 A 19980908 [US5802748]

Title :

(A) Tiered trenching backhoe system

Inventor(s) :

(A) HAAGENSTAD RONALD G (US)

Application Nbr :

US67985196 19960715 [1996US-0679851]

Priority Details :

US67985196 19960715 [1996US-0679851]

Intl Patent Class :

(A) E02F-003/96

IPC Advanced All :

E02F-003/96 [2006-01 A - I R M EP]; E02F-009/28 [2006-01 A - I R M EP]

IPC Core All :

E02F-003/04 [2006 C - I R M EP]; E02F-009/28 [2006 C - I R M EP]

EPO ECLA Class :

E02F-003/96

E02F-009/28A2

EPO ICO Class :

P02F-009/28K

US Patent Class :

ORIGINAL (O) : 037405000; CROSS-REFERENCE (X) : 037403000 037903000

414724000

Document Type :

Corresponding document

Citations :

US2838856; US2864184; US2896343; US3181256; US3307277; US3478449;

US3942271; US4009529; US4038766; US4085530; US4360980; US4550512;

US4704811; US5212897

Publication Stage :

(A) United States patent

Abstract :

A new Tiered Trenching Backhoe System for creating a dual tiered trench which allows one service utility to be elevated above another service utility thereby preventing contact of the two service utilities resulting in increased safety. The inventive device includes a syncline plate with an interior angle of approximately 140 degrees, a first and second triangular coupler welded at one end to the syncline plate removably coupling to a pair of existing tooth shanks of a backhoe bucket, a first and second fluke welded to the syncline plate opposite of the triangular couplers, a first and second trihedral support members welded to the interior portion of syncline plate providing support, and a pair of replaceable teeth removably secured to the first and second flukes.

1 / 1 LGST - GEPO

Patent Number :

US5802748 A 19980908 [US5802748]

Application Number :

US67985196 19960715 [1996US-0679851]

Action Taken :

20021015 US/RF-A

REISSUE APPLICATION FILED

EFFECTIVE DATE: 20000908

Update Code :

2003-22

1 / 1 CRXX - @CLAIMS/RRX

Patent Number :

5,802,748 A 19980908 [US5802748]

Patent Assignee :

Haagenstad, Ronald G

Actions :

20000908 REISSUE REQUESTED

ISSUE DATE OF O.G.: 20021015

REISSUE REQUEST NUMBER: 09/659382

EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 3625

Reissue Patent Number:

1 / 1 INPADOC - @INPADOC
Patent Number :
US 5802748 A 19980908 [US5802748]
Title :
TIERED TRENCHING BACKHOE SYSTEM
Inventor(s) :
HAAGENSTAD RONALD G [US]
Patent Assignee (Words) :
HAAGENSTAD RONALD G [US]
Application Details :
US 679851/96-A 19960715 [1996US-0679851]
Priority Details :
US 679851/96-A 19960715 [1996US-0679851]
Intl. Patent Class. :
E02F-003/96
WPI Cross Reference :
1998-504961 (G)

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Patent Number :
US5802748 A 19980908 [US5802748]
Application Number :
US67985196 19960715 [1996US-0679851]
Action Taken :
20021015 US/RF-A
REISSUE APPLICATION FILED
EFFECTIVE DATE: 20000908
Update Code :
2003-22